

Total Time Spent Per Activity:

Regular Personnel (Active Duty)			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
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Reserve Personnel			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
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Auxiliary Resources	
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS

Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)
Liquid (NOTE: Values are approximate.)				
Liquid	bb/LT	m ³ /t	bb/m ³	bb/t
Freshwater	6.40	1.00	6.29	6.29
Saltwater	6.24	.975	6.13	5.98
Heavy Oil	6.77	1.06	6.66	7.06
DFM	6.60	1.19	7.48	8.91
Lube Oil	7.66	1.20	7.54	9.05
Weight				
1 Long Ton	=	2240 lbs	1 Metric Ton	= 2204 lbs
1 Short Ton	=	2000 lbs	1 Cubic Foot	= 7.48 gal
1 Barrel (oil)	=	5.61 ft = 42 gal = 6.29 m ³	1 psi	= .06895 Bar = 2.3106 ft of water
Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F - 32))				
0	=	-17.8	80	= 26.7
32	=	0	90	= 32.2
40	=	4.4	100	= 37.8
50	=	10.0	110	= 43.3
60	=	15.6	120	= 48.9
70	=	21.1	150	= 65.6
200	=	93.3	250	= 121.1
300	=	148.9	300	= 148.9
400	=	204.4	400	= 204.4
500	=	260	500	= 260
1000	=	537.8	1000	= 537.8
Pressure: Bars = Pounds per square inch				
1 Bar	=	14.5 psi	5 Bars	= 72.5 psi
2 bars	=	29.0 psi	6 Bars	= 87.0 psi
3 Bars	=	43.5 psi	7 Bars	= 101.5 psi
4 Bars	=	58.0 psi	8 Bars	= 116.0 psi
9 Bars	=	130.5 psi	10 Bars	= 145.0 psi

Involved Parties & General Information:

Vessel's Representatives: <hr/> <hr/>
Phone Numbers:

Owner—Listed on DOC (if applicable), or COFR: <hr/> <hr/> <hr/>
<input type="checkbox"/> No Change

Operator <hr/> <hr/> <hr/>
<input type="checkbox"/> No Change

Section 5: Appendices

Recommended U.S. Vessel Deficiency Procedures:

Step	Action								
1	Identify deficiency.								
2	Inform vessel representative.								
3	Record on the <i>Deficiency Summary Worksheet</i> (next page).								
4	If deficiency is corrected prior to end of inspection, go to Step 7.								
5	If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with table below. <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>IF deficiency:</th> <th>THEN issue CG-835:</th> </tr> </thead> <tbody> <tr> <td> Does NOT immediately impact crew/passenger safety, security, hull seaworthiness, or the environment, e.g., <ul style="list-style-type: none"> • Missing placards • Non-metallic expansion joints more than 10 years in service </td> <td> That provides a specific time for correcting deficiency, e.g., <ul style="list-style-type: none"> • "X" number of days • At next drydock </td> </tr> <tr> <td> Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g., <ul style="list-style-type: none"> • Expired international certificates • Automation defect • Insufficient lifesaving equipment </td> <td> That restricts operation of vessel to meet current vessel conditions, e.g., <ul style="list-style-type: none"> • Reduced route • Increased crew • Fewer passengers </td> </tr> <tr> <td> DOES immediately impact crew/passenger safety, security, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g., <ul style="list-style-type: none"> • Missing or defective firefighting equipment • Structural defect or damage • Substantially not in compliance with approved VSP or ASP. </td> <td> That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g., <ul style="list-style-type: none"> • Prior to carrying passengers • Prior to carrying cargo </td> </tr> </tbody> </table>	IF deficiency:	THEN issue CG-835:	Does NOT immediately impact crew/passenger safety, security, hull seaworthiness, or the environment, e.g., <ul style="list-style-type: none"> • Missing placards • Non-metallic expansion joints more than 10 years in service 	That provides a specific time for correcting deficiency, e.g., <ul style="list-style-type: none"> • "X" number of days • At next drydock 	Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g., <ul style="list-style-type: none"> • Expired international certificates • Automation defect • Insufficient lifesaving equipment 	That restricts operation of vessel to meet current vessel conditions, e.g., <ul style="list-style-type: none"> • Reduced route • Increased crew • Fewer passengers 	DOES immediately impact crew/passenger safety, security, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g., <ul style="list-style-type: none"> • Missing or defective firefighting equipment • Structural defect or damage • Substantially not in compliance with approved VSP or ASP. 	That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g., <ul style="list-style-type: none"> • Prior to carrying passengers • Prior to carrying cargo
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6	Enter CG-835 data in MISLE.								

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endorse Date
Passenger Ship Safety (PSS) <input type="checkbox"/> No Change						
International Load Line (ILL) <input type="checkbox"/> No Change						
International Oil Pollution Prevention (IOPP) <input type="checkbox"/> No Change						
International Tonnage (ITC) <input type="checkbox"/> No Change						
Safety Management (SMC) <input type="checkbox"/> No Change						
Document of Compliance (DOC) <input type="checkbox"/> No Change						

- Security measures for monitoring
 - IAW VSP
 - Lighting
 - Test intrusion alarms
 - Emergency search procedures33 CFR 104.285
IAW ASP

- ASP Implemented in its entirety
 33 CFR 104.140
IAW ASP
- Amendment and audit
 - Users of ASP's are required under condition of ASP approval to conduct yearly audit and advise submitting organization if amendment is needed.
 - CSO / VSO audit letter attached to VSP as required ISSC
 - Audits conducted as required (annually or after vessel modifications)33 CFR 104.415
IAW ASP

Should an enforcement inspection reveal that an owner/operator has correctly implemented an approved ASP in its entirety but security vulnerabilities exist in the vessel operation, the COTP shall be advised. Under 33 CFR 104.415 (a) (ii) for vessels or 33 CFR 105.415 (a) (ii), the Coast Guard can determine that an amendment is necessary and advise the organization that submitted the ASP for approval accordingly. Following such notification, it will be necessary for the original submitting organization to provide their proposed amendment to the Commandant (CG-543) for review and approval. If the submitting organization does not wish to amend the ASP, the vessel owner must submit a VSP for the vessel to the MSC.

Notes: _____

- Security systems and equipment maintenance** 33 CFR 104.260
IAW ASP
 - Testing completed IAW manufacturer's recommendations
 - Working properly, effectively functions IAW VSP.
 - Ship Security Alert System (SSAS)

- Security measures for access control** 33 CFR 104.265
IAW ASP
 - Access points examined – signs posted in conspicuous locations.
 - Control areas for authorized dangerous substances / devices
 - Means of identifying unauthorized personnel
 - TWIC for unescorted access to secure areas

- Security measures for newly hired employees (Pending receipt of TWIC)** 33 CFR 104.267
IAW ASP
 - Access permitted for up to 30 days if:
 - Has applied for TWIC
 - Accompanied by TWIC holder in secure areas
 - Operator enters new hire personal info in HOMEPORT
 - Notified via HOMEPORT that new hire has passed initial name check.
 - Provision does not apply to CSO, VSO or individual hired to perform security duties

- Security measures for restricted areas** 33 CFR 104.270
IAW ASP
 - Secure areas protected
 - Properly marked
 - Control measures adequate
 - Do not conflict with safety measures

- Security measures for handling cargo** IAW ASP
33 CFR 104.275
 - Identifying cargo tamper
 - Identifying approved cargo
 - Access point – inventory control
 - Checking cargo for dangerous substances

- Security measures for delivery of vessel stores and bunker** 33 CFR 104.280
IAW ASP
 - Security procedures followed
 - Standing agreements valid

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endorse Date
International Ship Security Certificate (ISSC) <input type="checkbox"/> No Change						
International Air Pollution Prevention Certificate (IAPP) <input type="checkbox"/> No Change						
Engine International Air Pollution Prevention Certificate (EIAPP) <input type="checkbox"/> No Change						

Continuous Synopsis Record:

(SOLAS Vessels only)

Review Record and Enter Most Current Data

Flag State:	
Date Registered:	
Ship ID #:	
Ship Name:	
Port of Registry:	
Registered Owners:	
Company-as defined in SOLAS Chapter IX:	
Issuer ISM DOC:	
Issuer ISM SMC:	
Issuer ISSC:	

- Drills and exercises
- Breaches of security
- Change in MARSEC levels
- Maintenance, calibration, and testing of security equipment.
- Security threats
- Annual audit of the VSP
- Declaration of Security (DoS)
- Retained for Two years

- MARSEC level coordination and implementation 33 CFR 104.240
IAW ASP
 - Proper MARSEC level
 - MARSEC level at least at current port level

- Communications 33 CFR 104.245
IAW ASP
 - Vessel security personnel
 - Facility
 - National and local authorities
 - Demonstrate communications operations consistent with the ASP

- Declaration of Security (DoS) 33 CFR 104.255
33 CFR 104
 - Required for cruise ships or manned CDC bulk vessels and any vessel or facilities with which it interfaces.
 - Valid (for MARSEC level and effective time period)
Must have last 10 or continuous DoS reviewed at interval consistent with MARSEC level.
 - Signed

Notes: _____

- _____
- Compliance Documentation 33 CFR 104.120
 - Copy of ASP aboard vessel
 - Vessel Specific Security Assessment (VSA) completed
 - Letter to MSC stating use of approved ASP and that it has been fully implemented
- Master 33 CFR 104.205 IAW ASP
 - Aware of responsibility and authority with regards to MTSA
- Company Security Officer (CSO) 33 CFR 104.210 IAW ASP
 - Training / experience
 - Valid TWIC
 - See list of example questions
- Vessel Security Officer (VSO) 33 CFR 104.215 IAW ASP
 - Training / experience
 - Valid TWIC
 - See list of example questions
- Company or vessel personnel with security duties 33 CFR 104.220 IAW ASP
 - Training / experience
 - Valid TWIC
 - See list of example questions
- Security Training for all other vessel personnel 33CFR 104.225 IAW ASP

Notes: _____

- Vessel Record Keeping Requirements 33 CFR 104.235 IAW ASP
 - Training

Certificates:

- ISM Code SOLAS 74/78 IX/3
 - Safety Management System
 - Shipboard Operations Plan
- Stability letter posted in pilothouse 46 CFR 78.12-1
46 CFR 97.11-1
ICLL Reg. 10(2)
- Annual drug and alcohol program audit 46 CFR Part 16
- Officers' licenses current
- Transportation Worker ID Credential (TWIC)
 - All MMC holders
 - All non-MMC holders with security duties or unrestricted access to restricted areas.
- GMDSS endorsement 47 CFR Part 80
 - FCC Station License
 - Safety Radio Certificate
- GMDSS maintenance personnel 47 CFR 80.1074
 - 1st Class Radiotelegraph Operator's Certificate
 - 2nd Class Radiotelegraph Operator's Certificate
 - 3rd Class Radiotelegraph Operator's Certificate
- Required international safety convention certificates posted and valid
- Liferaft servicing certificates 46 CFR 160.151-57(p)
SOLAS 74/78 III/19.8
 - Annual service
- Cargo Gear Certificate 46 CFR 91.37-75

Notes: _____

Logs and Manuals:

- Lifesaving equipment maintenance record
 - Periodic checks as required
 - Visual inspection of survival craft/rescue boat and launching appliances
 - Operation of lifeboat/rescue boat engines
 - Lifesaving appliances, including lifeboat equipment examined

- Emergency training and drills
 - Onboard training in use of lifesaving equipment (all crew members)
 - SOLAS training manual
 - Logbook records
 - Fire and lifeboat drills
 - General alarm tested

- Bridge log
 - Pre-arrival tests conducted
 - Casualties (navigation equipment and steering gear failures reported)
 - Steering gear drills
 - Emergency steering drills

- Stability information
 - Loading manual
 - Trim and stability book

46 CFR 199.190(e)
SOLAS 74/78 III/19

SOLAS 74/78 III/18

46 CFR 199.180
SOLAS 74/78 III/18.5
SOLAS 74/78 III/25

SOLAS 74/78 V/19
STCW 95 I/14
33 CFR 164.25
33 CFR 164.53

46 CFR 97.35

46 CFR 78.17-20
46 CFR 97.15-5
SOLAS 74/78 II-1/22.1

46 CFR 78.17-22
46 CFR 97.12-1

Alternative Security Program (ASP):

Vessels operating under the auspices of an approved ASP are required to address the relevant areas cited in 33 CFR parts 104. However, the ASP provision of the rule has provided a mechanism by which segments of the maritime industry, through application by the industry associations or other representative groups, are able to tailor their program to the unique functions inherent of their specific operations. The result is a set of relevant, performance-based security measures for the industry groups choosing to utilize an approved ASP. For this reason, the inspector of a vessel using an approved ASP may find that certain language or security measures contained in some parts of the rule will differ from the language or security measures listed in the ASP. Additionally, an industry or group may determine that a section of the regulations is not applicable to their operations. For example, a passenger vessel group may state in their ASP that they do not need to address 33 CFR 104.275 or 33 CFR 105.265, respectively – security measures for handling cargo – because they do not handle cargo of any type.

In those cases where both the vessels and the facilities serving those vessels are owned and/or operated by the same entity, an alternative plan may recognize that the same party is responsible for security in both areas and approve an approach that addresses vulnerabilities and mitigation strategies for the vessels and the facility under one ASP. Therefore, the inspector will not be using separate plans for the vessels and the facility to determine compliance and, likewise, will not see some citations addressed in the plan if they are redundant between 33 CFR 104 and 33 CFR 105.

Notes: _____

Name of approved ASP

33 CFR 104.140

Section 3: Inspection Items

Navigation Equipment:

- Navigation publications (as applicable) 33 CFR 164.33
SOLAS 74/78 V/20
 - Current and corrected charts
 - U.S. Coast Pilot
 - Great Lakes Pilot
 - Sailing directions
 - Coast Guard Light List
 - Notice to mariners
 - Tide tables
 - Tidal current tables
 - International Rules of the Road
 - Inland Rules of the Road

- Operationally test radar(s) and ARPA 33 CFR 164.35
33 CFR 164.37
33 CFR 164.38
SOLAS 74/78 V/12
 - 2 required if over 10,000 GT
 - Operate independently
 - ARPA acquires targets

- Compasses 33 CFR 164.35
SOLAS 74/78 V/12
 - Illuminated gyrocompass with repeater at stand
 - Illuminated magnetic compass
 - Current deviation table

- Test electronic depth sounding device and recorder 33 CFR 164.35
SOLAS 74/78 V/12
 - Accurate readout
 - Test all transducers
 - Continuous recorder (chart)

- Speed and distance indicator 33 CFR 164.40
SOLAS 74/78 V/12

Notes: _____

- Security measures for monitoring 33 CFR 104.285
ISPS, Part A, 7.2.5
 - IAW VSP
 - Lighting
 - Test intrusion alarms
 - Emergency search procedures

- Security Incident Procedures 33 CFR 104.290
 - Witness during drill

- Additional requirements for passenger vessels or ferries 33 CFR 104.292

- Additional requirements for cruise ships 33 CFR 104.295

- Additional requirements – vessels on international voyages 33 CFR 104.297
ISPS, Part A, 19.1
SOLAS XI-2
Regulation 5.4.1
 - ISSC issued
 - CSR updated

- Vessel Security Assessment Report 33 CFR 104.305(d)
 - Reviewed and attached to VSP

- Vessel Security Plan 33 CFR 104.400
 - Reviewed

- Amendment and audit 33 CFR 104.415
 - CSO / VSO audit letter attached to VSP as required ISSC
 - Audits conducted as required (annually or after vessel modifications)

- Ship Security Alert System (vessels subject to SOLAS only) ISPS Part A, 9.4.18
 - On the bridge and one other location
 - Designed to prevent inadvertent activation
 - Covert (unmarked, silent, and need to know)
 - Tested IAW VSP

- Security systems and equipment maintenance 33 CFR 104.260
 - Testing completed IAW manufacturer's recommendations
 - Working properly, effectively functions IAW VSP.
 - Ship Security Alert System (SSAS)

- Security measures for access control 33 CFR 104.265 ISPS, Part A, 7.2.2
 - Access points examined – signs posted in conspicuous locations.
 - Control areas for authorized dangerous substances / devices
 - Means of identifying unauthorized personnel
 - TWIC for unescorted access to secure areas

- Security measures for newly hired employees (Pending receipt of TWIC) 33CFR 104.267
 - Access permitted for up to 30 days if:
 - Has applied for TWIC
 - Accompanied by TWIC holder in secure areas
 - Operator enters new hire personal info in HOMEPORT
 - Notified via HOMEPORT that new hire has passed initial name check.
 - Provision does not apply to CSO, VSO or individual hired to perform security duties

- Security measures for restricted areas 33 CFR 104.270 ISPS, Part A, 7.2.4
 - Secure areas protected
 - Properly marked
 - Control measures adequate
 - Do not conflict with safety measures

- Security measures for handling cargo 33 CFR 104.275 ISPS, Part A, 7.2.6
 - Identifying cargo tamper
 - Identifying approved cargo
 - Access point – inventory control
 - Checking cargo for dangerous substances

- Security measures for delivery of vessel stores and bunker 33 CFR 104.280 ISPS, Part A, 7.2.6
 - Security procedures followed
 - Standing agreements valid

- Propulsion shaft tachometer SOLAS 74/78 V/12

- Voyage Data Recorder (VDR) SOLAS 74/78 V/20
 - Simplified (SVDR) if permitted

- Long Range Identification & Tracking (LRIT) 33 CFR 169 SOLAS 74/78 V19-1
 - Conformance Test Report

- Automatic Identification System (AIS) 33 CFR 164.46

- Radio equipment 33 CFR 26.03 SOLAS 74/78 V/7 SOLAS 74/78 V/12 33 CFR 164.41 NVIC 9-93
 - Radios, RDF, Loran
 - Electronic position fixing device tested
 - GMDSS meets requirements for vessel operating area

Notes: _____

- ❑ Internal communications and control system 46 CFR 113.30
 - EOT failure alarms 46 CFR 113.35
 - Telephones
 - Voice tubes
 - Emergency loudspeaker system 46 CFR 113.50
 - Public address system
 - Bell pulls
 - Pilothouse controls

- ❑ Navigation lights and signals 72 COLREGS
 - Control panels
 - Running lights
 - Anchor lights
 - Special day and night signals
 - Distress signals and stowage 46 CFR 199.60
 - Flag signals, international code
 - Whistle, light, bells, gongs
 - Day and night signal devices 33 CFR 81.9
 - Certificate of Alternate Compliance

- ❑ Steering gear 33 CFR 164.35
MSM Ch. C4.F
 - Main gear tested (all stations)
 - Auxiliary gear tested (all stations)
 - Instructions and markings
 - Rudder angle indicator
 - Illumination 46 CFR 113.43
 - Alarms
 - Block diagram

- ❑ Maneuvering facts sheet with warning statements 33 CFR 164.35

Notes: _____

- ❑ Company or vessel personnel with security duties 33 CFR 104.220
ISPS, Part A, 13.3
 - Training / experience
 - Valid TWIC
 - See list of example questions

- ❑ Security Training for all other vessel personnel 33 CFR 104.225
ISPS, Part A, 13.3

- ❑ Vessel Record Keeping Requirements CFR 104.235
ISPS, Part A, 10
 - Training
 - Drills and exercises
 - Breaches of security
 - Change in MARSEC levels
 - Maintenance, calibration, and testing of security equipment.
 - Security threats
 - Annual audit of the VSP
 - Declaration of Security (DoS)
 - Retained for Two years

- ❑ MARSEC level coordination and implementation 33 CFR 104.240
 - Proper MARSEC level
 - MARSEC level at least at current port level

- ❑ Communications 33 CFR 104.245
ISPS, Part A, 7.2.7
 - Vessel security personnel
 - Facility
 - National and local authorities
 - Demonstrate communications operations consistent with the VSP

- ❑ Declaration of Security (DoS) 33 CFR 104.255
ISPS, Part A, 5.1
 - Required for cruise ships or manned CDC bulk vessels and any vessel or facilities with which it interfaces.
 - Valid (for MARSEC level and effective time period)
Must have last 10 or continuous DoS reviewed at interval consistent with MARSEC level.
 - Signed

MTSA/ISPS Compliance

Vessel Security Plans (VSP):

(If using ASP, skip to next section)

- Compliance documentation 33 CFR 104.120
ISPS, Part A, 9.1
 - Approved Vessel Security Plan
- Waiver 33 CFR 104.130
 - Approved by CG-543
- Equivalents 33 CFR 104.135
 - Approved by CG-543
- Maritime Security (MARSEC) directive 33 CFR 104.145
 - Proper safeguards
 - Incorporated into VSP
- Master 33 CFR 104.205
 - Aware of responsibility and authority with regards to MTSA
- Company Security Officer (CSO) 33 CFR 104.210
ISPS, Part A, 11
 - Training / experience
 - Valid TWIC
 - See list of example questions
- Vessel Security Officer (VSO) 33 CFR 104.215
ISPS, Part A, 12
 - Training / experience
 - Valid TWIC
 - See list of example questions

Notes: _____

- EPIRB (406 MHz) SOLAS 74/78 IV/7.1.6
46 CFR 199.510
 - Float-free arrangement
 - Battery date current
 - Hydrostatic release
- GMDSS lifeboat radios (VHF) SOLAS 74/78 III/6.2
 - 3 if over 500 GT
 - Operable condition
- 9 GHz radar transponder (SART) SOLAS 74/78 III/6.2
NVIC 9-93
 - Freight vessels > 300 GT and < 500 require 1
 - Freight vessels > 500 GT and passenger vessels require 2
 - Stowed so to be rapidly placed in survival craft or stowed in survival craft
- NAVTEX SOLAS 74/78 IV/7.1.4

General Health and Safety:

- Hospital and first aid equipment 46 CFR 72.20-35
46 CFR 92.20-35
- Operating room explosion-proof 46 CFR 111.105-37
- Emergency lighting 46 CFR 112.43
- Protection of spaces specially suited for vehicles 46 CFR 70.10-44
46 CFR 90.10-38
 - Gas detection systems
 - Electrical hazardous locations
- Crew and passenger accommodations 46 CFR 72.20
46 CFR 72.25
46 CFR 92.20
46 CFR 92.15-15
 - Size
 - Lighting and wiring
 - Heating
 - Ventilation
 - Sanitation
 - Screens
 - Insulation
 - Fire retardant

Notes: _____

- Galley
 - Equipment
 - Sanitation
 - Ventilation
- Means of escape from accommodation, machinery, and other spaces
 - Two required (some exceptions)
 - Dead end corridors
 - Absence of locks
- Gas freeing for repairs
 - Current Gas Chemist Certificate for areas as required
 - Date _____
 - Chemist No. _____

MSM Ch. B1.N.8

46 CFR 72.05-50

46 CFR 72.10
46 CFR 92.10
SOLAS 74/78 II-2/45

MSM Ch. A5.H

Structural Integrity:

- Hull structure (list inaccessible compartments or areas)
 - Decks
 - Shell
 - Bulkheads
 - Tank tops
 - Strength members
- Hull openings and closures
 - Side ports
 - Air ports and dead covers
 - Refuse chutes
 - Hatch covers
 - Closing devices, gaskets
 - Light / water test
- Deck openings and closures
 - Closing devices
 - Gaskets
 - Light / water test

46 CFR 72.01
46 CFR 92.01
ICLL 66 Reg. 1

46 CFR 42.15
MSM Ch. B1.E.5
ICLL 66 Regs. 12 - 23

MSM Ch. B1.E.5
ICLL 66 Regs. 12 - 20

Notes: _____

- Cargo oil containment
 - Size
 - Drains
 - Scupper closures
- Fuel oil containment
 - Portable
 - Fixed
- Prohibited oil spaces
- Emergency shutdown
- Deck lighting
- Oil transfer hose
 - Condition
 - Markings
 - Hose assembly requirements
 - Tests and inspections
- Fuel tank vents
 - Flame screens
 - Closures
 - Pollution containment
- Garbage
 - Shipboard garbage properly disposed

33 CFR 155.310

33 CFR 155.320

33 CFR 155.470

33 CFR 155.780

33 CFR 155.790

33 CFR 155.800

33 CFR 155.320

33 CFR 151.63
MARPOL Ax. V/3

Notes: _____

- Passenger vessels: structural fire protection
 - Draft stops
 - Fire dampers
 - Bulkheads
 - Insulation
 - Ventilation
 - Penetrations
- Cargo and miscellaneous vessels: structural fire protection
 - Bulkheads
 - Insulation
- Fire doors and controls tested
 - Machinery space and stair towers
 - Not tied or blocked open
 - Installed closure devices working
- Remote controls to power ventilation marked and tested
- Closures for spaces protected by fixed smothering systems
- International shore connection

46 CFR 72.05
SOLAS 74/78 II-2/23

46 CFR 92.07
SOLAS 74/78 II-2/42

46 CFR 72.05-25
46 CFR 92.07-10
SOLAS 74/78 II-2/46
SOLAS 74/78 II-2/47

46 CFR 111.103-1

46 CFR 76.15-35
46 CFR 95.15-35

46 CFR 76.10-10(c)
46 CFR 95.10-10(c)
SOLAS 74/78 II-2/19

Pollution Prevention:

- Pollution placard posted
- MARPOL V placard posted
- Person-in-charge designation

33 CFR 155.450

33 CFR 151.59

33 CFR 155.700

Notes: _____

- Guards, ladders, rails, and gangways (including accommodation ladders or pilot ladders)
- Elevators and escalators
- Watertight doors in subdivision bulkhead tested by:
 - Local control by hand
 - Local control by power
 - Remote control by hand
 - Indicators
 - Remote control by power
 - Indicators
- Cargo gear examined (in absence of Cargo Gear Certificate)
- Exercise valves and controls
- Bilge wells, cofferdams, and suctions
- Bulkhead penetrations
- Piping protection
 - Removable guards (where required)
 - Cargo hold
 - Baggage spaces

46 CFR 72.40
46 CFR 92.25
ICLL 66 Reg. 25

46 CFR 72.05-20
46 CFR 111.91

46 CFR 170.270

46 CFR 91.37

46 CFR 78.17-5

46 CFR 56.50-50

MSM Ch. B1.E.6

MSM Vol. IV, Ch. 3.G.2.b

Notes: _____

- Hull marks 46 CFR 67.120
 - Name
 - Hailing port
 - Official number
 - Net tonnage
- Draft marks 46 CFR 78.50-10
46 CFR 97.40-10
 - Legible
 - Properly sized
 - Properly spaced
- Load line marks 46 CFR 78.50-15
46 CFR 97.40-15
ICLL 66 Reg. 4-9
 - Conform to certificate
 - Legible

Integral Cargo Tanks:

- Warning notices and signals posted 46 CFR 70.05-30
46 CFR 90.05-35
- Pumps 46 CFR 70.05-30
46 CFR 90.05-35
 - Pumps and controls
 - Relief valves
 - Piping-valves 46 CFR 111.105
 - Lighting and wiring
 - Cofferdams
- Cargo spaces 46 CFR 91.15-1
46 CFR 91.25-37
 - Trunks and hatches
 - Ullage openings
 - Liquid level gauges
 - Deck penetrations
 - Heating coils
 - Internal examination

Notes: _____

- Fixed fire extinguishing systems 46 CFR 71.25-20(a)(2)
46 CFR 71.25-20(a)(3)
46 CFR 76.15
46 CFR 76.17
46 CFR 76.23
46 CFR 76.25
46 CFR 91.25-20(a)(2)
46 CFR 91.25-20(a)(3)
46 CFR 95.15
46 CFR 95.17
SOLAS 74/78 II-2/21
MSM Ch. C2.1.9
NVIC 6-72, Change 1
NVIC 8-73
 - Controls, instructions, marking
 - Alarms tested
 - Piping
 - Heads, distribution
 - Bottles weighed annually
 - Bottles hydrostatically tested (every 12 years)
 - Flexible loops tested or replaced (10% per year)
 - Foam tanks (refilled or tested)
 - Sea suction, strainers
 - Fixed system tested
 - Storage space / door
 - Sprinkler head tank

Type of system: (circle appropriate type)				
Low Pressure CO ₂	High Pressure CO ₂	Halon	Foam	Sprinkler

- Fire main system 46 CFR 76.10
46 CFR 95.10
NVIC 6-72, Change 1
SOLAS 74/78 II-2/4
SOLAS 74/78 II-2/21
 - Pumps
 - Piping
 - Cut-off valves
 - Drains
- Fire stations 46 CFR 76.10-10
46 CFR 95.10-10
NVIC 6-72, Change 1
SOLAS 74/78 II-2/4
SOLAS 74/78 II-2/21
 - Hydrants (2 effective streams)
 - Nozzles and spanners
 - Fog applicators (<6 feet in length, in engine room)
 - Hose
 - UL approved
 - Correct length
 - Markings
 - Equipment compatible
- Total length of all hose tested _____ 46 CFR 76.10-10
46 CFR 95.10-10
MSM Ch. C2.1.6
46 CFR 91.25-20(a)(4)
46 CFR 71.25-20(a)(4)
 - Hydrostatically tested to at least 100 psi
 - Proper threads
 - Approved hose

Notes: _____

- Placard of lifesaving signals 46 CFR 97.43
SOLAS 74/78 V/16
- Pilot ladder and hoists in good condition SOLAS 74/78 V/17
- Station bill posted 46 CFR 199.80
SOLAS 74/78 III/8.3

Fire Protection Equipment:

- Fire control plan 46 CFR 78.45-1
 - Permanently posted 46 CFR 97.36-1
 - Copy permanently stored in weathertight container outside deckhouse SOLAS 74/78 II-2/20
- Patrol system 46 CFR 78.30-10
 - Stations properly numbered and sealed 46 CFR 78.30-15
 - Key clock charts 46 CFR 95.05-1
- Fire detection systems 46 CFR 76.05-1
 - Smoke/fire alarms 46 CFR 95.05-1
 - Remote pull stations SOLAS 74/78 II-2/13
 - Smoke/flame/heat detectors and sensors SOLAS 74/78 II-2/11.8
SOLAS 74/78 II-2/53
NVIC 7-80
- Portable extinguishers 46 CFR 76.50
 - Serviced annually 46 CFR 95.50
 - Bottles hydrostatically tested (every 5 years) SOLAS 74/78 II-2/6
 - Markings (weight and hydrostatic test date) SOLAS 74/78 II-2/21
 - Spare charges, spare extinguishers MSM Ch. C2.1.3
NVIC 7-70
NVIC 13-86
- Semiportable extinguishers 46 CFR 76.50
 - Serviced annually 46 CFR 95.50
 - Bottles hydrostatically tested (every 12 years) SOLAS 74/78 II-2/6
 - Controls, instructions, markings SOLAS 74/78 II-2/21
 - Hose and diffuser MSM Ch. C2.1.4
 - Flexible loops tested or replaced (same as bottle)

Notes: _____

- Cargo piping 46 CFR 56.30
 - Expansion joints 46 CFR 56.35
 - Controls
 - Supports
 - Hoses-drip pans 46 CFR 56.20
 - Valves
- Cargo tank venting 46 CFR 70.05-30
46 CFR 90.05-35
 - Independent PV valves
 - Independent goosenecks
 - Flame screen
 - Closure device
- Explosion-proof fixtures 46 CFR 111.105
- Independent tanks, fixed, portable, or marine portable 46 CFR 98.30
 - External examination
 - Date of internal examination _____
 - Date of hydrostatic test _____
 - Metal information plate
 - Marking and labeling
 - Saddles; foundation and stowage
 - Piping and valves
 - Relief valves
 - Lifting fittings
 - Securing devices
 - Pump and controls
 - Cargo hose
 - Electrical grounding
 - Firefighting requirements
 - Authorized cargo

Notes: _____

Ground Tackle:

- Anchors 46 CFR 77.07
46 CFR 96.07
 - Tested
 - Windlass
 - Capstans
 - Automatic tensioning device
- Mooring, standing and running gear (other than gear covered by Cargo Gear Certificate) 46 CFR 91.37-70

Lifesaving Equipment:

NOTE: Exemptions and alternatives for vessels not subject to SOLAS can be found in 46 CFR 199.600.

- General alarms 46 CFR 113.25
SOLAS 74/78 III/6.4
 - Controls
 - Batteries and fuses
 - Tested
 - Markings
 - Bell locations audible
- Type of lifeboat
 - Davit launched
 - Free fall
- Lifeboats stripped, cleaned and inspected 46 CFR 199.190(f)
 - Date of annual servicing _____
- Lifeboats and work boats 46 CFR 199.201
46 CFR 199.202
46 CFR 199.261
46 CFR 199.262
SOLAS 74/78 III/19.2
SOLAS 74/78 III/26
MSM Ch. C2.H.2
 - Hull and fittings
 - Tanks and fittings
 - Cradles
 - Gripes
 - Compressed air cylinders
 - Markings 46 CFR 199.176

Notes: _____

- Lifefloats and buoyant apparatus 46 CFR 199.640
 - Equipment
 - Stowage
 - Markings
- Line-throwing apparatus 46 CFR 199.170
SOLAS 74/78 III/17.49
 - Equipment
 - Required drills held
 - Magazine
 - Type _____
- Lifebuoys 46 CFR 199.70(a)
SOLAS 74/78 III/7
SOLAS 74/78 III/21
SOLAS 74/78 III/27
 - Lights
 - Lines
 - Smoke signals
 - Stowage
 - Markings
- Lifejackets 46 CFR 199.70(b)
SOLAS 74/78 III/7.2.2
MSM Ch. C2.H.4

Adult _____ Children _____

 - Retro-reflective tape
 - Lights
 - Whistles
 - Work vests
 - Stamped passed
 - Number of lifejackets rejected by inspector _____
- Lifejacket stowage 46 CFR 199.70(b)
SOLAS 74/78 III/7.2
46 CFR 199.80(c)
46 CFR 199.70(b)(2)
46 CFR 199.80(c)
46 CFR 199.217
 - Required notices and markings
 - Stowage lockers
 - Wearing instructions
 - Location instructions (passenger vessels)
- Stateroom notices posted 46 CFR 199.80(c)
- Immersion suits 46 CFR 199.273
SOLAS 74/78 III/21.4
SOLAS 74/78 III/27.3
SOLAS 74/78 III/30.2.7
MSM Ch. C2.H.5
 - Condition
 - Retro-reflective material

Notes: _____

Lifeboat winches

- Brakes
- Controls
- Cranks
- Covers
- Limit switches and electrical controls

46 CFR 199.199(i)
SOLAS 74/78 III/19
MSM Ch. C2.H.6

Embarkation aids

- Ladders
- Access
- Spans and lifelines
- Illumination
- Frapping and tricing lines

46 CFR 199.190(f)
SOLAS 74/78 III/11

Lifeboat weight test

- Light load
- Full load: date _____

46 CFR 199.45(b)
SOLAS 74/78 III/19
MSM Ch. B1.P

Liferafts

- Launching instructions posted
- Equipment and stowage
- Annual service dates

46 CFR 199.190
SOLAS 74/78 III/19
SOLAS 74/78 III/26
MSM Ch. C2.H.3
46 CFR 199.190(g)

- Hydro release service dates

46 CFR 199.190(h)
MSM Ch. C2.H.3

- Weak link
- Float free
- Illumination
- Markings
- Capacities
- Launching devices tested

MSM Ch. C2.H.3

Notes: _____

Lifeboat equipment and stowage

(use table below to determine required equipment)

46 CFR 199.175
SOLAS 74/78 III/41

Item Number	Item	International Voyage		Short International Voyage	
		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
1	Bailer ¹	1	1	1	1
2	Bilge pump ²	1		1	
3	Boathook	2	1	2	1
4	Bucket ³	2	1	2	1
5	Can opener	3		3	
6	Compass	1	1	1	1
7	Dipper	1		1	
8	Drinking cup	1		1	
9	Fire extinguisher	1	1	1	1
10	First aid kit	1	1	1	1
11	Fishing kit	1			
12	Flashlight	1	1	1	1
13	Hatchet	2		2	
14	Heaving line	2	2	2	2
15	Jackknife	1		1	
16	Knife ^{1,4}		1		1
17	Ladder	1	1	1	1
18	Mirror, signalling	1		1	
19	Oars, units ^{5,6}	1	1	1	1
20	Painter	2	1	2	1
21	Provisions (units/persons)	1			
22	Pump ⁷		1		1
23	Radar reflector	1	1	1	1
24	Rainwater collection device	1		1	
25	Repair kit ⁷		1		1
26	Sea anchor	1	1	1	1
27	Searchlight	1	1	1	1
28	Seasickness kit (units/person)	1		1	

Item Number	Item	International Voyage		Short International Voyage	
		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders ⁸	1	1	1	1
33	Sponge ⁷		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids ⁹	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line ¹⁰	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

Footnotes:

- 1 Each rigid liferaft equipped for 13 persons or more must carry two of these items.
- 2 Not required for boats of self-bailing design.
- 3 Not required for inflated or rigid-inflated rescue boats.
- 4 A hatchet counts towards this requirement in rigid rescue boats.
- 5 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 6 Rescue boats may substitute buoyant paddles for oars, as specified by the manufacturer.
- 7 Not required for a rigid rescue boat.
- 8 Required if specified by the boat manufacturer.
- 9 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 10 Required only if the lifeboat is also the rescue boat.

Notes: _____

- Disengaging apparatus examined or tested and marked as required*
 - Universal joints
 - Safety latches
 - Hooks
 - Locking knuckles
 - Frame
 46 CFR 199.45(b)
SOLAS 74/78 III/41
MSM Ch. C2.H.2.b
- Motor lifeboats*
 - Engine operating test
 - Cooling water pump
 - Ahead and astern test
 - Fuel tanks
 - Searchlight test (passenger vessels)
 - Annual fuel changed
 - Extinguishers serviced
 46 CFR 199.45(b)
SOLAS 74/78 III/41
MSM Ch. C2.H.9
- Hand-propelled lifeboats*
 - Flemming gear
 - Transmission oil
 46 CFR 199.45(b)
- Radio installation for lifeboats complies with FCC and/or international convention (where required)*
 - Portable
 - Fixed
 46 CFR 199.60
SOLAS 74/78 III/6
- Lifeboat operational test*
 - Foundations
 - Moving parts
 - Fittings
 - Fairleads, cleats, or cruciform bits
 46 CFR 199.45(b)
SOLAS 74/78 III/19
MSM Ch. C2.H.2.b
- Davits
 - Foundations
 - Moving parts
 - Fittings
 - Fairleads, cleats, or cruciform bits
 46 CFR 160.032
SOLAS 74/78 III/48
MSM Ch. C2.H.6
- Falls (date last renewed or end-for-ended)
 - _____
 46 CFR 199.190(j)
SOLAS 74/78 III/48
MSM Ch. C2.H.8

* Items tested in conjunction with Abandon Ship Drill.

Notes: _____
